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CAPITAL PROJECTS FISCAL YEAR 1983

JANUARY 1982

MARYLAND DEPARTMENT OF STATE PLANNING

THIS POCKET IS PROVIDED TO HOLD THE ENACTED
GENERAL CONSTRUCTION LOAN OF 1982

CAPITAL PROJECTS FISCAL YEAR 1983

JANUARY 1982

MARYLAND DEPARTMENT OF STATE PLANNING

**STATE OF MARYLAND
DEPARTMENT OF STATE PLANNING**

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FOREWORD

This report represents a complete listing of proposed capital improvements for Fiscal Year 1983. Details of the capital budget for FY '83 are contained in "The Maryland State Budget for the Fiscal Year Ending June 30, 1983," submitted to the General Assembly by the Governor in January 1982.

If information is desired on capital improvement projects authorized by the General Assembly in previous years, reference should be made to Department of State Planning Publication No. 81-11 entitled "Capital Improvements Authorized by General Assembly, 1967 through 1981" dated July 1981.

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PART I

LISTING OF CAPITAL IMPROVEMENTS FOR FISCAL 1983

The Fiscal Year 1983 Capital Improvements Program consists of 87 individual projects totalling \$118,965,000. These improvements will be funded by:

1. Authorization of the General Construction Loan of 1982 in the amount of \$105,605,000.
2. Appropriation of General Funds in the amount of \$1,142,000.
3. Amendments to prior General Construction Loan appropriations to transfer \$12,218,000 of unused funds. (Amount not included in the below new money figures.)

Some of the major projects in the Capital Improvements Program include: supplemental funding for previously authorized projects due to inflation; new state facilities to consolidate functions now located in leased or inadequate buildings; numerous State park projects; health, fire and life safety projects; replacement of inadequate utilities and building modernization projects; acquisition of necessary land for new facility needs; Baltimore Harbor dredging project; correctional and public higher education facilities improvements; and several cultural enhancement projects. Other projects are to equip new facilities and to develop the plans necessary for future State improvements.

The Capital Improvements Budget is distributed among State agencies as shown below:

Capital Improvements Summary By Department

Board of Public Works	\$ 26,594,000
Military Department	374,000
Maryland Veteran's Commission	82,000
Maryland Veteran's Home Commission.....	1,807,000
Department of Natural Resources	7,512,000
Department of Agriculture.....	250,000
Department of Health and Mental Hygiene.....	10,872,000
Department of Public Safety and Correctional Services	35,545,000
Department of Education.....	277,000
University of Maryland.....	13,057,000
State Universities and Colleges.....	4,575,000
St. Mary's College	110,000
Morgan State University	4,600,000
Department of Economic and Community Development	<u>1,092,000</u>
	106,747,000

By major functions, the proposed Fiscal Year 1983 Capital Improvements Program is divided as follows:

	Amount	Percent
General Control	\$ 29,107,000	27.3
Natural Resources.....	7,512,000	7.4
Health, Hospitals, and Juvenile Services	10,872,000	10.1
Public Safety and Correctional Services.....	35,545,000	33.1
Higher and Special Education	22,619,000	21.1
Economic and Community Development.....	<u>1,092,000</u>	<u>1.0</u>
	\$106,747,000	100.0

BOARD OF PUBLIC WORKS

Project	Method of Financing	
	GCL	General Fund
State Government Center - Annapolis - (Anne Arundel County):		
Conversion of the State House Archive Room		90,000
<p>To convert 5,900 g.s.f. of existing State House Archive Room on the first floor of the State House for historical restoration to the 1780 to 1799 period (Cornerstone laid in March 17, 1772). Currently the room is of a quasi-colonial period and requires special work of a historical and authentic nature to match and duplicate the materials and workmanship of the past. Work to be done includes demolition, support floor, new flooring, special shutters, woodwork moldings, cabinetwork, partitions and other related work to put it back into the colonial times.</p> <p>The Archival Room will provide an area for the interpretation of the history of the State House, which has the distinction of being the oldest State House in continuous use for legislative purposes in the United States. One half of the room will be restored to resemble a functioning Land Office of the 1790's. The other half will be an exhibit area for displays pertaining to the history of Maryland.</p> <p>Completion of the restoration of the Archival Room is targeted to be available for the 200th anniversary of George Washington's resignation of his commission (December 23, 1983) at the State House. This is the goal of the State House Trust.</p>		
To supplement the appropriation, "Acquisition of Public Housing (51 units) on St. Johns' Street" as shown on page 328 of the Acts of 1970: Section 8 of Chapter 101 of the Acts of 1970 being hereby modified to the extent that said acquisition may begin upon satisfactory assurances to the Board of Public Works that said acquisition can be completed with the aggregate of the funds herein and heretofore appropriated for that purpose		600,000
<p>To purchase about 2 acres of land with improvements consisting of six row-type apartment buildings with 51 units and one office building known as Bloomsbury Square.</p> <p>The State has acquired all properties and improvements between St. Johns' Street, Bladen Street, College Avenue, and College Creek with the exception of the two parcels of land with improvements of the public housing project, Bloomsbury Square.</p> <p>Acquisition of these parcels will provide the only expansion space for future State facilities in this area.</p> <p>The contract of sale for the land and improvements was made on February 14, 1979 with the Housing Authority of the City of Annapolis for \$1,455,700. It is a condition for settlement that sufficient State funds are available.</p>		
Implement second selected recommendations of Energy Audit for buildings in State Government Center in Annapolis.		100,000
<p>To reduce energy consumption in the Lowe, James and Treasury buildings by adding new system, deleting and modifying existing systems. These energy conservation measures will be accomplished by this funding: (1) install five vestibule air curtains at entrances—two in Lowe Building, two in Treasury Building, and one in James Building; (2) provide variable ventilation to meet occupancy demands in six Hearing Rooms in Lowe Building. Current practice is to provide constant volume ventilation year-round; (3) remove heaters and modify sprinklers in the Lowe</p>		

BOARD OF PUBLIC WORKS — (Continued)

Project	Method of Financing	
	GCL	General Fund
Implement (continued)		
garage. With removal of garage heaters the wet sprinkler system is to be changed to a dry system to prevent freezing. Tapes are to be used on pipes susceptible to freezing. A forced air curtain is to be provided between the elevators and tunnel. The average payback for the three projects is estimated to be less than 4 years. This is the second request of a proposed six phase program resulting from an energy audit completed in 1980 by Epoch Engineering, Inc.		
Construction of a fifth and final unit of the Tawes Office Building . .	7,400,000	
This unit will provide about 60,000 net available square feet of office space on state-owned land to accommodate the Dept. of Natural Resources and other state agencies in state and/or leased facilities. The availability of existing commercial office space in Annapolis for State use is severely limited. Final occupation determinations will be from the Dept. of State Planning needs assessment and parking will be on the Navy-Marine Corps Memorial Stadium lot that is leased by the State.		
Correction of fire safety deficiencies in Hall of Records and Legislative Services Buildings	204,000	
Funds are requested for modifications and/or improvements in the Hall of Records and Legislative Services buildings for fire safety and protection of the buildings and occupants. In the Hall of Records an automatic sprinkler system will be installed, a self-closing fire door is to be provided for the mechanical room in the basement, and two means of egress is to be provided for each record storage deck. In the Legislative Services Building an automatic sprinkler system will be installed in the Printing Shop. This will improve the level of fire safety and protection in accordance with the insurance survey by the insurance broker of record, Tongue Brooks and Company, Inc.		
State Office Center - Baltimore - (Baltimore City): Implement second selected recommendations from Energy Audit for State Office Center in Baltimore	700,000	
To reduce energy consumption in SB-4 (Herbert R. O'Connor Building) by adding to, modifying and/or relocating existing elements in the building. Eight energy conservation measures will be accomplished by this funding: (1) expand existing computer controls to conserve energy by using devices that help reduce the amount of electricity consumed, optimize the outside air damper position, cycle fans and water heaters; (2) increase use of natural lighting and reduce artificial lighting at exterior windows of building; (3) provide air locks for exterior entrance doors; (4) seal soffit of escalator that is exposed to the weather; (5) insulate ceiling at "A" level of parking garage; (6) provide motion detectors in garage that will turn lights on and off as needed for occupants use; (7) provide external shading at selected exterior windows to keep summer solar heat out and winter solar heat in; (8) relocate walk-in freezer compressors to remove waste heat from compressors and save cooling energy. The average payback for the eight projects is estimated to be less than three years. This is the second phase request of a proposed six phase program based on the Energy Audit completed in 1980 by Bishop Engineering.		

BOARD OF PUBLIC WORKS — (Continued)

Project	Method of Financing	
	GCL	General Fund
General:		
Construction of Baltimore City District Court # 1 , to be located on Wabash Ave. (Baltimore City)	(6,300,000)	
This 52,558 g.s.f., (39,926 n.s.f.) District Court facility will contain six courtrooms, the administrative offices of the court, and office space for other court related services. The new facility is intended to replace the premises which the court now leases at 211 E. Madison Street. A favorable bidding climate led to contract awards which resulted in an unencumbered balance in previous G.C.L. appropriations, approved to fund the construction of eight District Court/Multi-Service Center projects. An amendment to the 1974, 1975, 1976 and 1980 GCL's is proposed in the 1982 General Construction Loan to utilize surplus funds to complete this project in lieu of authorizing additional debt. Accordingly the sum identified above is not included in the 1982 G.C.L. total.		
To supplement the appropriation " construction of a state-owned Multi-Service Center in Upper Marlboro, Prince George's County . . ." as shown on page 2314, Chapter 795, Section 1 (A) (1) (e) of the Acts of 1978	(5,800,000)	
These funds are to construct a 75,000 g.s.f. (50,000 n.s.f.) District Court /Multi-Service Center facility in Upper Marlboro to relieve overcrowded office conditions of the court and state agencies there. This multi-courtroom facility will contain office space for court-related services and the administrative offices of several State agencies. A favorable bidding climate led to contract awards which resulted in an unencumbered balance in the G.C.L. appropriations approved to fund the construction of eight District Court Multi-Service center projects. An amendment to the 1980 G.C.L. is requested in the 1982 General Construction Loan to utilize surplus funds to complete this project in lieu of authorizing additional debt. Accordingly the sum identified above is not included in the 1982 G.C.L. total.		
Purchase unloading and support facilities for handling dredge spoil - Hart and Miller Islands - Phase II - Chesapeake Bay	\$16,500,000	
This appropriation is intended to provide sufficient funds to complete all necessary construction and inspection pursuant to Phase I (diked spoil containment area—construction) and operationalizing the equipment purchased and constructed for Phase II, Part I. Phase II will be divided into two parts. Part I will consist of one unloading facility, one modified dredge and miscellaneous support structures. Part II will duplicate Part I and double the spoil handling capability. The staged implementation of Phase II will accommodate the July 1983 target date for Phase I completion and the approximate 12-16 month time frame needed to build the specialized dredge unloading equipment. Phase II, Part II, is estimated to cost \$2,500,000 in 1981 dollars. The reduced cost of Part II results from economies obtained from Part I. These additional funds are anticipated to come from the Transportation Trust Fund.		
Fund the construction of modifications to provide program accessibility for the handicapped in State-owned buildings	1,000,000	
The Access Maryland survey identifies more than \$53 million worth of modifications necessary to provide program accessibility for the handicapped in State-owned facilities; over \$6 million has already been appro-		

BOARD OF PUBLIC WORKS – (Continued)

Project	Method of Financing	
	GCL	General Fund
General (continued)		
State-owned buildings (continued)		
<p>priated to specific agencies. Additional funding will be needed to continue the process of modifying State-owned facilities. This request will provide a fund which will be used to finance the construction of projects for which funds are not already available.</p>		
MILITARY DEPARTMENT		
<p>Contingent upon and supplementary to federal funds being made available to the Military Department, the State's share to design and prepare detailed plans and specifications for a 600 man Armory in the vicinity of the Weide Air Base, Edgewood, Maryland. (Harford County)</p>		
	78,000	
<p>This 600 man Armory is to be built as the home station for the guardsmen who operate the helicopters at the Weide Air Base. Currently, these guardsmen are assigned to various armories in the vicinity of Edgewood, Maryland. This new facility will consolidate all these guardsmen at a single site. It will eliminate the need for the guardsmen to assemble at their present home station to pick up their equipment and then be trucked to the airbase for training. Consolidation will save transportation costs and provide additional time for training. The total cost of the new Armory will be about \$6,000,000. The federal government will contribute about 75% towards the cost of construction of the Armory.</p>		
<p>Construct an Acceleration-Deceleration Lane at the Frederick Armory (Frederick County)</p>		
	80,000	
<p>Construction of the Frederick Armory was completed in October 1980. The present entrance to the Armory was designed based on the road system as it then existed. The traffic patterns have been redirected in such a manner as to preclude access to the Armory unless an acceleration/deceleration lane is installed from Routes I-70 and U.S. 40.</p>		
<p>Replace the roofs on the Highfield Armory and the Prince Frederick Armory (Washington and Calvert Counties)</p>		
	103,000	
<p>The roof on the Highfield Armory is over 20 years old and the roof at the Prince Frederick Armory is over 12 years old. Both roofs leak badly which is causing considerable damage to the interior of the structures. The federal government assisted the State of Maryland financially in the construction of both of these armories. This has placed the State under a legal obligation to maintain and keep the buildings in operable condition so that the Military property stored there will be servicable and moisture free.</p>		
<p>Point and Waterproof the exterior Brick Walls at the Fifth Regiment Armory (Baltimore City)</p>		
	78,000	
<p>The upper level brick walls at the Fifth Regiment Armory have deteriorated to the point where water is penetrating into the building. This leakage has damaged extensively the interior finish and wall material. Pointing and waterproofing the walls will eliminate further structural damage. This is the first major repair required to be made to the exterior walls since it was rebuilt in the 1930's.</p>		

MILITARY DEPARTMENT — (Continued)

Project	Method of Financing	
	GCL	General Fund
Contingent upon and supplemental to federal funds being made available to the Military Department, replacement of the Roofs on Seven Garages at the Pikesville Military Reservation and the Roof on Building S-1 at the Havre de Grace Military Reservation (Baltimore and Harford Counties)	19,000	
The roofs on the seven garages at Pikesville and the roof on Building S-1 at Havre de Grace are over 20 years old and in bad shape and leaking. Federal governmental equipment is stored in these facilities before being issued to the Maryland National Guard. Because of this, the federal government will support 75% of the construction costs to reroof the buildings which normally is a State responsibility. This project will insure the equipment stored in these facilities will be kept moisture free and in serviceable condition.		
Contingent upon and supplemental to federal funds being made available to the Military Department, enlarge the Military Vehicle Parking Areas at the Easton, Salisbury and Ellicott City Armories (Talbot, Wicomico and Howard Counties)	16,000	
The military vehicle parking areas at the Easton, Salisbury and Ellicott City Armories are inadequate in size to accommodate all the military vehicles now stationed there. In recent years, reorganization of the units has increased the number of vehicles assigned to them. This project will construct 3400 square yards of new parking space at the three armories. Federal funds will support 75% of the cost to construct this parking area.		

MARYLAND VETERANS COMMISSION

Contingent upon receipt of federal reimbursements for prior State Veterans Cemetery expenditures, install an irrigation system at the Eastern Shore Veterans Cemetery (Dorchester County)	\$82,000
Over the past several years, periods of drought has caused many trees, shrubs and grass at the cemetery to die. This requires annual relandscaping to keep the cemetery attractive. This project will install a well, storage tank, pump and water distribution system to irrigate the cemetery and protect the shrubbery.	

MARYLAND VETERAN'S HOME COMMISSION

Contingent upon and supplementary to federal funds being made available to the Maryland Veterans Home Commission, the State's share to equip the Phase I facilities at the State Veterans Home at Charlotte Hall (126 beds) (St. Mary's County)	425,000
The ground breaking ceremony for the Charlotte Hall Veterans Home was held on September 9, 1981. It is estimated that it will take 21 months to complete the construction of the facility. Equipment for the facility will be required in FY 1983 in order not to delay the opening of the Home. Federal assistance will be available to support approximately 65% of the cost of equipment for Phase I construction.	

MARYLAND VETERAN'S HOME COMMISSION — (Continued)

Project	Method of Financing	
	GCL	General Fund
Contingent upon and supplemental to federal funds being made available to the Maryland Veterans Home Commission, design and construction of the second 126 bed housing unit at the Charlotte Hall Veterans Home complex, Phase II	1,382,000	
Phase I consisting of a 126 bed housing unit and the common service care facilities for a 252 bed Veterans Home is now under construction at the Charlotte Hall site. Phase II will construct a second 126 bed housing unit. The Federal Veterans Administration will fund approximately 65% of the cost of construction of this 42,000 square foot second phase housing unit. By continuing with the construction of the second housing unit at this time, the State will be able to reduce the cost of the project by the amount of the FY 1983 annual inflation rate of approximately \$500,000.		

DEPARTMENT OF NATURAL RESOURCES

CAPITAL PROGRAMS ADMINISTRATION:

To provide a fund for one or more of the following projects \$ 241,000

CHELTENHAM WILDLIFE MANAGEMENT AREA (Prince

George's County)

Construct underground fuel system

CUNNINGHAM FALLS STATE PARK (Frederick County)

Construct card-operated control gate

ELK NECK STATE PARK (Cecil County)

Construct card-operated control gate

FISHING BAY WILDLIFE MANAGEMENT AREA (Dorchester

County)

Construct well and septic system

GREENBRIER STATE PARK (Washington County)

Surface roads, camping loops B and C

JANES ISLAND STATE PARK (Somerset County)

Construct camping area roads

MATAPEAKE MULTI-USE FIELD STATION (Queen Anne's

County)

Renovate shop

POCOMOKE RIVER STATE PARK, Shad Landing Area (Worcester

County)

Construct card-operated control gate

POINT LOOKOUT STATE PARK (St. Mary's County)

Construct card-operated control gates

ROCKY GAP STATE PARK (Allegany County)

Repair dam

The purpose of this appropriation is to construct smaller projects using in-house personnel without expending time going through the contractual processes. Funds previously provided for this program have resulted in an increase in the return on the dollars spent. Also, there is a considerable saving in time and paper work to get like projects accomplished.

25,000

DEPARTMENT OF NATURAL RESOURCES — (Continued)

Project	Method of Financing	
	GCL	General Fund
<p>To provide a grant to Baltimore City for the development of Fort Armistead Park</p> <p>These funds will be used to develop recreation facilities at Fort Armistead Park which consists of approximately 45 acres located on Hawkins Point in the southern portion of Baltimore City.</p>	2,000,000	
WILDLIFE ADMINISTRATION:		
Indian Springs Wildlife Management Area (Washington County):		
Repairs to the spillway of Blairs Valley Dam	160,000	
<p>This project consists of rebuilding the damaged spillway of Blairs Valley Dam in Washington County. This dam is currently listed as a Class I Dam. This category is used for dams that are in a state of repair that failure to take action could result in loss of life if the dam failed.</p>		
MARYLAND FOREST AND PARK SERVICES:		
Cunningham Falls State Park (Frederick County):		
Renovate camping area road		150,000
<p>This project consists of the renovation of 1,700 linear feet of road. This road, in use since 1976, has deteriorated due to lack of proper drainage when the road was built. The road base has begun to erode beyond the Department of Natural Resources' capability to patch and stabilize it. 327,911 people visited Cunningham Falls State Park in 1980. If this condition is not corrected soon, it is possible that the camping area of Cunningham Falls would have to be closed.</p>		
Dan's Mountain State Park (Alleghany County):		
Pave entrance road	65,000	
<p>This project consists of the paving of a road 2,760 feet long and 22 feet wide to connect a county road to the pool complex. The paving of this road would alleviate a hazardous condition caused primarily by lack of drainage and hard surface causing excessive dust when the road is in use. The dust causes unsafe driving conditions and creates a nuisance for people using the swimming pool. 31,300 people visited Dan's Mountain State Park in FY 1981.</p>		
Fort Frederick State Park (Washington County):		
Restore stone walls of the fort	535,000	
<p>This project consists of restoring the existing stone walls of the fort. The masonry walls are crumbling due to moisture getting in and freezing, and to normal erosion. Approximately 12' of the wall have given way and other sections show signs of similar wear. If not corrected, the walls will continue to crumble causing a potentially dangerous situation. 95,228 people visited Fort Frederick State Park in 1980.</p>		
Herrington Manor State Park (Garrett County):		
Construct park office, utilities, and parking	70,000	
<p>This project consists of the construction of a park office, utilities, and parking for 10 cars. At the present time, the park is using one small room in the park manager's residence for an office. Due to increased use of the area, the present office is inadequate. 46,573 people visited Herrington Manor in FY 1981. This \$70,000 appropriation is for materials only. The construction will be done with Department of Natural Resources' personnel. This building will also serve as administrative headquarters for Swallow Falls State Park.</p>		

DEPARTMENT OF NATURAL RESOURCES – (Continued)

Project	Method of Financing	
	GCL	General Fund
Renovate cabins for winter use This project consists of renovating cabins for winter use. Herrington Manor has 20 cabins of which two are usable in winter. By winterizing additional cabins, it would be more economical to keep this area open for year-round use. Department of Natural Resources estimates the cost of materials to winterize one cabin at \$10,000. Using Department of Natural Resources' personnel, 3 to 4 cabins could be renovated in one year.	30,000	
Patapsco Valley State Park (Howard and Baltimore Counties): Construct three comfort stations These three comfort stations will utilize the same design as those used in the Avalon and Orange Grove areas. They will replace existing pit toilets. Although the new buildings themselves are of a standard design, additional design is needed for utilities and site improvements. 502,450 people visited Patapsco in 1980. The need for these facilities has become critical since the health department is threatening to close these areas of the park if corrective action is not forthcoming. The appropriation will fund the second phase of this corrective action.	400,000	
Hollofield area: Construct Office/Administration Building, roads, and parking This project consists of the construction of an Office/Administration Building, a parking lot for 15 cars and 4 buses, and an entrance road to serve the office complex. This same road will eventually provide access to a new group picnic area and two family picnic areas.		460,000
Point Lookout State Park (St. Mary's County): Construct water system This project consists of a water storage system for the southern portion of the park. The new system would supply the day-use area, boating facility and the superintendent's residence. The present system, originally constructed for a subdivision, is not dependable, requires frequent repairs and freezes in winter. 307,686 people visited Point Lookout in 1980.	240,000	
Design and construct shore erosion control measures This project consists of the design and construction of 1,040 linear feet of shoreline protection at Point Lookout. The area to be protected is located on the Chesapeake Bay immediately south of the causeway for Md. Rt. 5, in the vicinity of the existing groin field. Due to continuous wave action, additional erosion in the area appears to have caused the landward end of the groins to be flanked.	275,000	
Swallow Falls State Park (Garrett County): Construct washhouse This project consists of the construction of a washhouse in the camping area of Swallow Falls State Park. This building would replace two existing structures in the camping area at Swallow Falls. The present structures are very old and would need extensive repairs to continue use. By constructing one new building the Park Service will save operation cost and cost of repairing and maintaining two old structures. 172,737 people visited Swallow Falls State Park in 1980.		125,000

DEPARTMENT OF NATURAL RESOURCES – (Continued)

Project	Method of Financing	
	GCL	General Fund
NATURAL RESOURCES POLICE FORCE:		
Johnson Wildlife Management Area (Wicomico County):		
Renovate work center building	86,000	
This project consists of renovating a work center building to provide offices and a radio shop for Natural Resources Police which recently took over the work center at Johnson Wildlife Management Area. The police presently have personnel working out of their homes and rented office space. Since the police do not need the vehicle storage area in the present building, they plan to renovate it into office space and consolidate their force in this area at one location. A new well would be drilled at the site. However, the present septic system will be utilized. Both the design and construction of this project will be completed in-house.		
MARYLAND GEOLOGICAL SURVEY:		
Renovate State-owned buildings at 16-20 E. 23rd Street for use as offices and laboratories (Baltimore City)	2,350,000	
This project consists of the renovation of State-owned property to provide approximately 17,000 SF of office and laboratory space for Md. Geological Survey. Since a 1964 survey revealed the need for additional space for the MGS, attempts to achieve this aim in conjunction with the Johns Hopkins University have been unsuccessful. The State-owned property nearby at the above address has been accepted as a solution to this problem. Currently, the MGS occupies 4,819 SF at one location, 600 SF at another, 3,800 at a third. After renovation, this property will provide a single facility with potential for future development.		
SHORE EROSION CONTROL:		
Shore erosion control measures for Ocean City Beach (Worcester County)	300,000	
This project is designed to preserve and enhance the beach at Ocean City, Maryland by controlling the erosion of beach sand. The current population of Ocean City, in season, can exceed 250,000 persons on any given day. Such persons coming from throughout the State and elsewhere are believed to be primarily attracted by the quantity and quality of the beach environment. The Atlantic Ocean shoreline of Maryland, acting as a barrier beach, has eroded continuously at a rate of two to four feet per year accounting for presently narrow recreational beaches in certain areas of Ocean City. Expenditure of these funds is contingent upon approval of the design and construction by the department of Natural Resources and the Board of Public Works.		

DEPARTMENT OF AGRICULTURE

Animal Health Diagnostic Laboratory:

Preparation of detailed plans and specifications for construction of an Animal Health Diagnostic Laboratory in College Park, Maryland. Design and construction to be coordinated with the new Veterinary Science Facility of the University of Maryland at College Park	250,000
The proposed laboratory building has about 21,000 gross square feet and is to be located on University of Maryland property of 12.5 acres for the combined project. Currently, the Diagnostic Animal Health Laboratory is located in inadequate facilities on a site that will become a station for the Washington Metropolitan Area Transit Authority.	

DEPARTMENT OF AGRICULTURE – (Continued)

Project	Method of Financing	
	GCL	General Fund
Animal Health Diagnostic Laboratory (continued)		
<p>This project is proposed in conjunction or combination with the Veterinary Science Research Center of the University of Maryland because of cost savings due to utilization of common facilities and equipment, and ease of consulting with university personnel. Some common equipment are the incinerator, electronic microscope and X-ray equipment. The College Park site is one of five regional laboratories the Department of Agriculture has in the State. The other four are Oakland, Frederick, Centreville, and Salisbury. The Animal Health Laboratory at College Park serves as both a regional laboratory and a central specialized laboratory receiving specimens from the other regional laboratories for sophisticated diagnostic procedures.</p>		

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

OFFICE OF THE SECRETARY:

To correct Life Safety Deficiencies in various hospitals and centers . .	750,000
<p>Funds are requested to correct life safety deficiencies at various hospitals and centers operated by the Department of Health and Mental Hygiene. Deficiencies to be corrected are those cited by the State Fire Marshal and endanger the facility's ability to meet federal standards and certification for third party reimbursements. Previous funding for this project's intent was provided in the General Construction Loans of 1975 and 1976. These funds have been depleted, necessitating a replenishment of fiscal resources.</p>	

MENTAL HYGIENE ADMINISTRATION

Regional Institute for Children and Adolescents (Baltimore City): . .	
Preparation of preliminary plans and specifications for the construction of a Recreational/Activities Building	30,000
<p>This request is for planning funds to construct a new recreational/activities space to accommodate an older, more aggressive adolescent population programmed for residential services at the RICA-Baltimore facility. A pre-fabricated "Butler" type building of approximately 10,750 square feet is planned. The RICA facility was originally a seminary and lacks suitable recreation space in which to recreate emotionally disturbed youths aged 12 through 16.</p>	

Crownsville Hospital Center (Anne Arundel County):

Renovation of Convalescent Cottages	1,897,000
<p>Funds were authorized by the 1978 General Assembly Session to prepare detailed plans for the renovation of the convalescent cottages. This project is the renovation of 2 convalescent cottages which were constructed in 1953, to adhere to the rules and regulations promulgated by the Commission on Accreditation of Hospitals. Alterations of the convalescent cottages are designed to insure a living environment which promotes the restoration of the physical and the mental facilities of the patients. Sleeping areas will be converted from the ward unit, into separate units of no more than four (4) beds each. Bathrooms are to be redesigned and equipped with separate toilet facilities for men and women patients and adequate safety provisions for handicapped patients. Each</p>	

DEPARTMENT OF HEALTH AND MENTAL HYGIENE - (Continued)

Project	Method of Financing	General Fund
Renovation of Convalescent Cottages (continued)		
building will be air conditioned and provided new piping, lighting and heating controls systems. Cottage 13 will contain an elevator to facilitate program accessibility to the handicapped. In addition, funds are requested to do architectural exterior repairs and energy conservation in Cottage 12.		
Springfield Hospital Center (Carroll County):		
Design and preparation of detailed plans and specifications for the renovation of Martin Gross L-Building	210,000	
This request is for planning funds to design the renovation, including air-conditioning, of the Martin Gross L-Building. The Martin Gross L-Building previously served as an admission ward for Baltimore City patients. These residents were transferred to the Hitchman Buiding (D & I Building) with the opening of the facility in October 1981. In turn, chronic patients residing in Clark Circle Cottages 2 and 4 and one or two Martin Gross continued care wards will be transferred to the Martin Gross L-Building. Structurally, the L-Building is in good condition and could be economically renovated to meet all of the required modern standards (i.e., single rooms of at least 100 square feet; dayroom space at 40 square feet per client; and, corridors of eight foot width).		
Design and preparation of detailed plans and specifications for the construction of a One Hundred-Bed Building	275,000	
Funds are requested to plan for the construction of a new 100 bed facility for the intensive-treatment of psychiatric patients at Springfield Hospital Center. Psychiatric patients are currently housed in some of the oldest and most deplorable buildings at the Carroll County facility. It is the intention of Department of Health & Mental Hygiene to replace obsolete facilities which do not comply with third party regulations and standards with modern licensable facilities that provide for Title XVIII and Title XIX reimbursements. The proposed construction will be very similar in size (54,000 gross square feet) and scale to the new Hitchman Buildings.		
Spring Grove Hospital Center (Baltimore City):		
Phase II of a two phase program to Renovate the Preston Group	2,940,000	
This is the second phase of a two phase project for renovating and air conditioning five patient buildings at Spring Grove Hospital Center. Phase I renovation started in June 1980, included Dix, Noyes and Preston Buildings. Phase II will include Hill, Mitchell and Sullivan Buildings. The residential buildings to be renovated house continued care patients of various diagnoses, ranging from young adults of 18 years of age to geriatrics. Following renovation, the Hill, Mitchell and Sullivan Buildings will be licensed for 59 beds each; the Noyes and Dix Buildings will be licensed for 63 beds each, for a total licensed capacity of 303 beds.		
Design and preparation of detailed plans and specifications for the Renovation of Dayhoff Building		210,000
The Department of Health & Mental Hygiene has requested the inclusion of funds in this Capital Budget to renovate the Dayhoff Building which currently houses 89 psychiatric patients. After renovation, the building will house 80 male and female individuals age 18 and older. Proposed renovations include central air conditioning, removal of asbestos ceiling and conversion of sleeping areas into units of no more than four beds.		

DEPARTMENT OF HEALTH AND MENTAL HYGIENE - (Continued)

Project	Method of Financing	General Fund
Clifton T. Perkins Hospital Center (Howard County):		
<p>To supplement the capital appropriation "Purchase and renovation of halfway house on Cathedral Street, Baltimore City" originally made by Chapter 86 on page 334 of the Acts of 1979, as detailed on page I-117 of Volume I of the Maryland State Budget for the Fiscal Year ending June 30, 1980, submitted to the General Assembly by the Governor: the General Construction Loan Act provisions incorporated by reference on page 334 of the Acts of 1979 being hereby modified to the extent that work may begin upon satisfactory assurances to the Board of Public Works that the project can be completed with the aggregate of funds herein and heretofore appropriated for that purpose:</p>	260,000	
<p>Supplemental funds are requested in this Capital Budget to complete the renovation of a four story brick structure located at 509 Cathedral Street currently being used as a halfway house by Clifton T. Perkins Hospital Center. The Capital Appropriation of 1980 included funds for the purchase, planning and renovation of this property which has operated as a transitional living facility for the mentally ill for the past 8 years. Upon the completion of the renovation program the facility will accommodate 16 residents, with each resident in a single room. City and State licensing standards will be satisfied in order for the facility to qualify as a multiple family dwelling.</p>		
MENTAL RETARDATION ADMINISTRATION		
Headquarters (Baltimore City):		
Construction of Southern Maryland Mental Retardation Center . .	1,300,000	
<p>Funds are recommended for the construction of a 23-bed facility to provide residential services to severely and profoundly retarded individuals from the geographic region of St. Mary's, Charles and Calvert Counties. It will allow individuals who currently reside in State residential centers, such as Great Oaks, to move closer to their own homes and provide training opportunities for this population who need a transitional period in order to move a less restrictive setting such as a group home or small apartment. The Center will consist of three individual cottages and a professional services building totaling approximately 15,000 gross square feet.</p>		
Potomac Center (Washington County):		
Correction of Heating Deficiencies in the Administration and Activities Buildings	350,000	
<p>Funds are requested in this Capital Budget to correct deficiencies in the heating systems in the Administration and Activities Building at Potomac Center. The basic problem is that the buildings do not and have not, since the original construction, heat properly. There are cold spots throughout the buildings. Patient classrooms in the Activities Building are especially in need of proper heating due to the immobility of clients and the potential health hazard these patients are prone to as a result of their non-ambulatory condition. The offices in the Administration Building cannot be kept warm due to their exterior wall location. Like the Activities Building, 20 of 31 office areas in the Administration Building can not maintain the necessary temperatures required by MOSHA or OSHA.</p>		

DEPARTMENT OF HEALTH AND MENTAL HYGIENE - (Continued)

Project	Method of Financing	
	GCL	General Fund
Rosewood Center (Baltimore County):		
Renovation of Jones and McClure Buildings	2,630,000	
Preliminary planning for the renovation of the Jones and McClure Buildings was authorized by the General Construction Loan of 1976. These buildings are part of the comprehensive program to bring all residential facilities at Rosewood Center into compliance with standards governing third party reimbursement. Proposed renovations include the installation of central air conditioning, correction of life safety deficiencies, construction of 4 bedrooms from open dormitory areas, and the installation of energy conservation measures. It is anticipated that each of 32 clients who will reside in these buildings will be eligible for reimbursement from Title XIX.		

JUVENILE SERVICES ADMINISTRATION

Headquarters:

Preparation of detailed plans and specifications for the construction of the Eastern Shore Detention Holdover Facility	20,000	
Funds are requested in this Capital Budget to plan for the construction of an eight (8) bed detention holdover facility in Snow Hill, Maryland. The proposed facility, to be located on the grounds of the Worcester County Jail, will house juvenile offenders, both male and female, for a period no longer than 72 hours. From here, juveniles are transported to longer commitment facilities (i.e. Maryland Training School or Montrose) located on the Western Shore. Although the proposed structure will be similar in scale to a group home, the design of this type of facility requires more substantial construction than the traditional community-based residential living environment.		

DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES

DIVISION OF CORRECTION

Headquarters:

Construct a 250-bed maximum security correctional institution (#1) on the BG&E site (Baltimore City)	16,000,000	
This facility will house inmates from the various Division of Correction institutions who are placed in disciplinary and administrative segregation. These inmates are considered to be the most aggressive, violent and difficult to manage within the State's correctional system. Funds for land acquisition and plan development have previously been authorized and this year's appropriation will provide for the construction of this facility.		
Upgrade and modernize perimeter security in State correctional institutions, Phase I, (Anne Arundel, Charles, Howard, Queen Anne's Washington and Wicomico Counties).	1,500,000	
Security will be tightened in correctional institutions by constructing additional guard towers and installing double fencing, razor ribbon and perimeter detection systems. The project will also complete the installation of emergency generators at the Maryland Correctional Training Center and provide security screens in the housing units at the Maryland Correctional Institution for women.		

DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES — (Continued)

Project	Method of Financing	
	GCL	General Fund
Headquarters (continued)		
Upgrade and Modernize (continued)		
Because of the broad scope of this project, it is expected that additional funding for security improvements will be required over the next 2 to 3 years. This appropriation will be the first phase to upgrade perimeter security in correctional institutions.		
Correct fire-safety deficiencies in State correctional institutions and Patuxent Institution, Phase IV, (Anne Arundel, Howard, Washington, Carroll, Wicomico, Queen Anne's Counties and Baltimore City)		
Funds were appropriated in 1979 to begin the correction of immediate and long-range life threatening fire safety deficiencies to comply with present State law and the State Fire Marshal's Office Standards and Regulations governing penal institutions. Additional funds have been provided in each subsequent year and this year's appropriation will provide funds to continue this work. Corrections have generally been completed at the Maryland Penitentiary and the Baltimore Pre-Release Unit. Construction is underway at Brockbridge and the Maryland Correctional Institution for Women and plans are being completed for the Maryland House of Correction, Patuxent Institution, the Maryland Correctional Institution - Hagerstown, and the Maryland Correctional Training Center.	500,000	
To supplement the appropriation "Acquisition of the Latrobe Site, and construction of a 250-bed minimum security unit . . ." originally made in Chapter 671 on page 2693 of the Acts of 1977, and amended by Chapter 174 on page 1170 of the Acts of 1978, Chapter 707 on page 1989 of the Acts of 1979, Chapter 693 on page 2382 of the Acts of 1980 and Chapter 724 on page 2708 of the Acts of 1981; Section 1(5) of Chapter 724 of the Acts of 1981 being hereby modified to the extent that work may begin upon satisfactory assurances to the Board of Public Works that said project can be completed with the aggregate of funds herein and heretofore appropriated for that purpose. (Baltimore City) . . .		
Funds were appropriated in the 1980 Session of the General Assembly to construct a 250-bed minimum security correctional facility on the Latrobe Site in Baltimore City. It was originally intended that this facility would house pre-release or C-1 inmates who would be permitted unescorted access to the community for work assignments. It has since been determined that a more secure facility is needed in the correctional system to house inmates who are not eligible for placement in a pre-release unit. The program for this facility has been modified to provide a higher level of security and additional program and activity space. These modifications have increased the cost of this project and current funding is inadequate. Supplemental funds are being requested this year to complete this project.	3,600,000	

DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES – (Continued)

Project	Method of Financing	
	GCL	General Fund
<p>Provide a portion of the funds to construct a 720-bed medium security correctional institution at the Maryland Correctional Institution - Hagerstown Complex (Washington County)</p> <p>Population projections for the Division of Correction indicate the need for a substantial number of additional prison beds. To partially meet this need a new 720 bed medium security correctional institution will be built at the Maryland Correctional Institution prison complex at Hagerstown. This facility is estimated to cost \$50 million. In order to relieve overcrowded conditions in the prisons, the State must begin the construction of additional prison beds and delay replacement construction at Jessup where there is a cap on the inmate population. Previous appropriations have been made to construct a storm water management system for the Jessup prison complex, a 528 medium security prison and a 192 bed housing unit to replace beds at the Maryland House of Correction. These prior appropriations will be amended so that \$37.4 million can be used to construct a 720 bed medium security institution at Hagerstown and \$6 million is retained to construct the storm water management system at Jessup.</p> <p>Architectural plans for the Jessup prison have already been prepared and these plans will be modified for use at Hagerstown. The \$13 million being requested this year will provide additional funding necessary to construct this facility at Hagerstown.</p>	\$13,000,000	
<p>Maryland Correctional Institution - Hagerstown (Washington County):</p> <p>To supplement the appropriation "Construction of a Visitor's Registration Building" originally made by Chapter 420 on page 1210 of the Acts of 1979; Section 1(7) of Chapter 420 of the Acts of 1979 being hereby modified to the extent that work may begin upon satisfactory assurances to the Board of Public Works that the project can be completed with the aggregate of the funds herein and heretofore appropriated for that purpose.</p> <p>This project requests additional funds to construct and equip a building where visitors can register and wait for their scheduled visit. Construction of this building will alleviate the congestion caused by having visitors congregate in the main lobby near the control center of this institution. Construction funds were originally provided for this project in 1979; however, design has been delayed due to problems associated with the architect. A new architect has now been appointed and design is nearing completion. Present cost estimates for construction indicate additional funds are required. This supplement will provide the necessary funds to complete the construction of this building.</p>	85,000	
<p>Maryland Correctional Training Center (Washington County):</p> <p>Renovate the kitchen</p> <p>This kitchen handles food preparation for approximately 3,000 inmates at the Maryland Correctional Training Center and the Maryland Correctional Institution and the proper and efficient functioning of this kitchen is essential to the operation of these institutions. No major renovations to the kitchen have occurred since its opening 15 years ago. Overcrowding at the Hagerstown prison complex has severely strained the food output capacity of this kitchen. These funds will be used to install additional equipment to expand the cooking capacity of the kitchen,</p>	700,000	

DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES - (Continued)

Project	Method of Financing	General Fund
Maryland Correctional Training Center (continued) Renovate the kitchen (continued)	GCL	
provide fire and health improvements in the food preparation area, update and improve lighting and ventilation, and repair structural damage to the roof.		
Patuxent Institution:		
Install a New Water Line to Patuxent (Howard County)		80,000
Install a water meter, cut-off valves and approximately 385 feet of 8-inch water line. The present water line to Patuxent is over 25 years old. A gradual build-up of mineral deposits has reduced the original 8-inch line to 5 inches. This obstruction makes it difficult to maintain adequate water pressure. As a result the boilers at Patuxent must frequently be shutdown until pressure is restored. Also, the State Fire Marshal has certified that inadequate water pressure at the fire hydrants creates a serious fire safety problem. The installation of this new water line will correct those problems and provide adequate water pressure to Patuxent.		
To supplement the appropriation "Planning and preparation of detailed plans and specifications to renovate the heat distribution system" as shown on page 2700 of the Acts of 1981; Section 1 (5) of Chapter 724 of the Acts of 1981 being hereby modified to the extent that work may begin upon satisfactory assurances to the Board of Public Works that said project can be completed with the aggregate of funds herein and heretofore appropriated for that purpose (Howard County) . . Funds were authorized last year for the preparation of detailed plans to renovate the institution's heating system. However, selection of an architect was delayed pending publication of the Energy Survey (Basco) Report. It has now been determined that the plumbing and electrical systems also require substantial renovation. These systems are over 25 years old, badly deteriorated and are insufficient to meet present utility requirements. Rather than planning for each utility renovation separately, this project has been expanded to prepare detailed plans for renovation of the heating, plumbing and electrical systems. Once these plans have been developed, renovation of the 3 utility systems will occur in specific sections of the institution as follows: Phase I: Power Plant and Defective Delinquent Building, Phase II: Diagnostic Center, Kitchen and Dining, and Receiving Buildings and Phase III: School, Vocational Shops, Gymnasium, Administration Building and Guard Towers. This schedule will accomplish the most urgent work first and will create the least amount of disruption to the operation of the institution.		80,000

STATE DEPARTMENT OF EDUCATION

Design and Installation of a warning system in the dormitory for deaf and hearing impaired residents at the Maryland Rehabilitation Center	100,000
The warning system will be composed of 174 electric locks, 21 variable intensity electric fans and 21 vibrators. These devices will be installed in the dormitory of the Maryland Rehabilitation Center. At the present time, houseparents have to physically open 54 rooms with a key on	

DEPARTMENT OF EDUCATION - (Continued)

Project	Method of Financing	
	GCL	General Fund
Maryland Rehabilitation Center (continued)		
Design and Installation (continued)		
<p>each of three dormitory floors in order to ensure that all deaf and otherwise handicapped residents are out of the building when the fire or disaster alarm sounds. It is impossible to accomplish this task, even with assistance, within the three minute maximum safety limit (in the event of fire). The need to improve safety measures is most critical for the times between 4:30 P.M. and 8:00 A.M., when only a skeleton crew of houseparents, nurses and security personnel are on duty. During these hours it is very time consuming to physically unlock rooms, rouse sleeping residents and evacuate an average of 170 disabled clients. The variable intensity fans are professionally designed to serve as a warning system for the deaf and blind. The vibrators will be attached to the beds of the deaf and the hearing impaired residents. In all past fire and-disaster drills for the last nine years, 85% of all clients found not evacuated from the building were deaf or hearing impaired who were unaware that an emergency situation existed.</p>		
<p>Provide detailed design drawings for alterations and additions to the State Library Resource Center (the central building of the Enoch Pratt Free Library.)</p> <p>This project involves the renovation of 26,964 square feet, an additional 10,000 square feet at the mezzanine level and upgrading the HVAC and electrical systems at the State Library Resource Center. The central library of Baltimore's Enoch Pratt Free Library was designated the State Library Resource Center in 1971. That role introduced State funds for the collection building, some expanded functions and staff increases since the SLRC is the major interlibrary loan agency for Maryland. <u>A Building Survey and Long-Range Physical Feasibility Study for the Enoch Pratt Free Library Central Library Facility</u> (July, 1980 by Becker and Hayes) identified spatial shortcomings. A review of that study resulted in: <u>Staff Recommendations Concerning the Becker and Hayes Report of the Central Library</u>. This document was approved by the Enoch Pratt Free Library Board of Trustees in early 1981 and provided the basis for the building program.</p>	177,000	
UNIVERSITY OF MARYLAND		
COLLEGE PARK CAMPUS (Prince George's County):		
<p>Phase I capital equipment, Alterations and Addition to the Engineering Classroom Building</p> <p>Construction funds totaling \$11,750,000 were appropriated in GCL 1980 and GCL 1981 for an extensive project to replace failing structural and mechanical systems in this building, modernize the instructional facilities, and provide a small addition to accommodate the increased enrollment in engineering. The project is due to get underway this winter and to be completed in the fall of 1983. This request is for funds to acquire, for new and expanded functions, the essential items of capital equipment that require a long lead time for ordering.</p>	500,000	

UNIVERSITY OF MARYLAND (Continued)

Project	Method of Financing	General Fund
<p>To supplement the appropriation, "Conversion of Bureau of Mines Building to Microbiology Building . . .", originally made by Chapter 724 on page 3381 of the Acts of 1981; Section 1(5) of Chapter 724 of the Acts of 1981 being hereby modified to the extent that said work may begin upon satisfactory assurances to the Board of Public Works that said project can be completed with the aggregate of the funds herein and heretofore appropriated for that purpose.</p> <p>The Bureau of Mines Building was constructed in 1932 by the U. S. Department of the Interior, and has functioned as an administrative and laboratory research center for the Bureau of Mines. The University secured title to the building and grounds in 1968, and the Bureau of Mines vacated the structure two years ago. This project involves the conversion of the 67,000 gross square foot existing structure and construction of an 18,000 gross square foot addition to provide 50,000 net square feet of program space for the Department of Microbiology. The Department's existing space in the Skinner Building (25,000 net square feet) is obsolete and severely cramped, affecting the quality of both instructional and research programs.</p>	2,900,000	
<p>Construction funds totaling \$5,750,000 were appropriated in GCL 1981. During the advanced design stage, the A/E determined that the building must be expanded by 10,000 more square feet than originally estimated (i.e., from 8,000 to 18,000 gross square feet) in order to accommodate the mechanical equipment required for air conditioning and laboratory support. The need for additional space has generated a need for additional funds before a construction contract can be awarded. There will be a further increase in cost due to escalation. The supplemental funding herein requested reflects the revised cost estimate of the Department of General Services.</p>		
<p>Conversion of the Berwyn Heights Elementary School for administrative space for the Maryland Fire and Rescue Institute</p> <p>The administrative functions of the Maryland Fire and Rescue Institute (MFRI) are currently located in the same building on the College Park campus that houses the College Park Volunteer Fire Department. The two functions combined have outgrown the capacity of the building. GCL 1979 included an appropriation of \$75,000 to design a new building for the MFRI administration.</p>	1,500,000	
<p>Recently, Prince George's County closed the Berwyn Heights Elementary School and made it available for other uses. The 35,000 gross square feet in the school, excluding the gymnasium which will continue to function as a community center, will accommodate all of MFRI's administrative functions as well as three classrooms. There will be 24,000 net square feet of program space. Engineering analyses indicate that conversion of the building for these uses is clearly feasible. The school's off-campus location is satisfactory since few College Park undergraduates will use the facility. The cost of converting the building is estimated to be almost \$1 million less than constructing a new building for the same purpose. The need to relocate the MFRI administration as soon as possible underlies this request for funds.</p>		

UNIVERSITY OF MARYLAND (Continued)

Project	Method of Financing	General Fund
<p>Design and preparation of detailed plans and specifications for replacement and expansion of the Veterinary Science Facilities; design and construction to be coordinated with the new Animal Health Diagnostic Laboratory of the Department of Agriculture</p> <p>The Veterinary Science research program at College Park currently occupies about 25,000 gross square feet in Grayson Lab and small ancillary buildings which are located on Calvert Road east of the main campus. The Department of Agriculture also has an animal diagnostic facility on the site; the two agencies cooperate closely in carrying out their related responsibilities. Most of the structures are of pre-World War II vintage.</p>	275,000	
<p>In addition to being obsolete and undersized for the current level of program activity, the facilities described above occupy the site of the proposed College Park rapid transit station. Although the timetable for acquiring the site for that purpose is uncertain, the land transfer could occur within the next 3-5 years. It is therefore prudent to begin planning replacement facilities now.</p> <p>The University and the Department of Agriculture have agreed to relocate their facilities to a site north-west of the main campus near the intersection of University Boulevard and Metzert Road. The two agencies intend to develop a coordinated design using a single consultant. The University's portion of the project is programmed as a 45,000 gross square foot (27,000 net square foot) building housing research labs, animal quarters, and offices; and two barns for large animals totaling 5,000 gross square feet.</p>		
<p>Phase IV, Central Environmental Control System</p> <p>The Central Environmental Control System, the first three phases of which are now under construction, is designed as a comprehensive computerized monitoring system which can regulate energy consumption and provide fire and security protection for all major campus buildings. The University estimates that the savings in energy use from installation of this system will amount to over \$1 million annually, based on 1979 energy costs, when the system becomes fully operational.</p> <p>Phase I through III are scheduled for completion in late 1982. They include installation of the central computer and extension of control mechanisms to the first 30 buildings. The savings from implementing those three phases are estimated at \$300,000 annually. Construction of Phases I-III is more than 50% complete. The remaining work encompasses extension of control mechanisms to 91 additional buildings at an additional savings of \$700,000 annually.</p> <p>The funds herein requested would add 29 of the remaining 91 buildings to the system. After Phase IV is completed, savings generated from the first four phases can be used to finance the rest of the project.</p>	1,000,000	
<p>Electrical distribution system extensions and conversions</p> <p>The North substation of the College Park campus has been experiencing loads in excess of capacity. This problem is compounded by the antiquated and unreliable 4 KV equipment which is still in use.</p> <p>For the past several years the campus has been implementing a plan to convert the 4 KV system to a 13 KV system. Approximately 60% of</p>		

UNIVERSITY OF MARYLAND (Continued)

Project	Method of Financing	General Fund
<p>Electrical distribution system (continued) the system has been converted to date. Approval of this request would permit the extension of additional 13 KV cable, the conversion of over 20 buildings to the new 13 KV system, a reduction of load on the North substation, and the elimination of the 4 KV East substation. This work is necessary if the campus is to continue to receive reliable electrical service.</p>	GCL	
<p>BALTIMORE CITY CAMPUS: Conversion of former Law Library in Lane Hall to clinic and office space With the opening of the new Thurgood Marshall Law Library, an area of 20,000 gross square feet in Lane Hall has become available for other purposes. The space cannot readily be adapted for other uses without capital expenditures because of the necessity of modifying the mechanical and electrical systems. The University is placing greater emphasis on clinical training as a component of legal education. The School of Law is presently conducting such training in temporary trailers and in makeshift space in a former public school. This project would provide about 15,500 net square feet of clinic and office space in Lane Hall so that clinical training can be consolidated in one location. Funds are requested to enable the University to complete the project, achieve the efficiencies of a consolidated operation, capture vacant space for effective utilization, and discontinue use of unsatisfactory facilities.</p>	GCL	1,245,000
<p>Installation of a sprinkler system in the Health Sciences Library . . . The Health Sciences Library was constructed in 1960. Sprinkler systems available at that time would have poured water throughout the building in the event of fire, possibly causing damage to the entire collection of books and materials. To avoid that possibility, the building was not sprinklered. A zoned sprinkler system is now available that would attack a fire only at its point of origin. Installation of such a system, in addition to its life-saving potential, would minimize property losses in the event of a fire since most of the building would escape both fire and water damage. The estimated replacement value of the collection is at least \$7 million, and the estimated replacement value of the building is at least \$8 million. When measured against possible losses of such magnitude, the cost of installing a zoned sprinkler system appears to be a reasonable investment.</p>	GCL	240,000
<p>Phase II capital equipment for the School of Pharmacy Building GCL 1977 included \$9,380,000 for the construction of a new School of Pharmacy Building on the campus. Program and design changes delayed the start of construction until last year. The building is now half-finished, with completion anticipated for mid-1982. The building will require a substantial amount of capital equipment to be fully functional because of the concentrated research activities that have been programmed. Capital equipment orders already in process will consume most of the \$1.5 million appropriated for Phase I equipment in GCL 1981. Approval of the Phase II request would make possible the acquisition of additional needed items on a timely basis.</p>	GCL	500,000

UNIVERSITY OF MARYLAND (Continued)

Project	Method of Financing	
	GCL	General Fund
EASTERN SHORE CAMPUS (Somerset County):		
Replacement and expansion of poultry research facilities	640,000	
<p>The University has recently introduced a poultry technology instructional program on the UMES campus to meet the needs of the large poultry industry operating on the Eastern Shore. The facilities to support the program consist primarily of the research and extension buildings at the Maryland Agricultural Experiment Station Field Unit in Salisbury. The poultry facilities at that location are obsolete and in deteriorated condition. Also, those facilities are inconveniently located in terms of scheduling and coordinating the activities of UMES faculty and students. This project involves the construction at UMES of a small (3,200 gsf) office-laboratory building and three pole-type structures of 8,800, 5,000- and 10,000 square feet, respectively, for poultry research. The four buildings combined total 27,000 gsf. Approximately 33,000 gsf of obsolete space at Salisbury and UMES will be demolished if this project is implemented. The net result will be a reduction in total space as well as improved space utilization.</p>		
Installation of water main to center of campus from county water tower	330,000	
<p>The existing water distribution system at UMES is characterized by low water pressure which represents a potential hazard in the event of fire. The situation will worsen as new and renovated facilities are put into operation.</p> <p>An engineering firm has investigated the situation and has recommended the installation of a new 10" main from the county water tower northwest of the campus to a point on the existing distribution system near the center of the campus. The new line will be primarily on University-owned land, but will involve acquisition of an easement from the railroad which lies between the county tower and the campus boundary line.</p> <p>Because there is a basic requirement for adequate water pressure, the recommended corrective measures should be promptly undertaken.</p>		
Capital equipment for the Construction Technology and Art Education Building	625,000	
<p>GCL 1981 included \$5,000,000 to construct this new building. Construction should begin early in 1982 and be completed in mid-1983. This request is for funds to acquire essential items of capital equipment to support the new and expanded instructional programs scheduled to occupy the facility.</p>		
BALTIMORE COUNTY CAMPUS:		
Installation of an elevator, environmental rooms, and capital equipment in the Addition to Academic Building I:		
Construction	1,240,000	
Capital equipment	1,000,000	
<p>GCL 1978 included \$6,400,000 to construct a research and class laboratory addition to Academic Building I for the biological sciences. Program and design changes delayed the start of construction until early 1981. When the Board of Public Works awarded the construction contract, certain deduct alternates were taken so that the work could begin without further delay and attendant cost escalation.</p>		

UNIVERSITY OF MARYLAND (Continued)

Project	Method of Financing	
	GCL	General Fund
BALTIMORE COUNTY CAMPUS: (continued)		
Installation of an elevator (continued)		
This request includes installation of a passenger elevator, environmental rooms for research projects, and laboratory casework as originally designed. It also includes funds for acquisition of essential items of capital equipment to support the expanded functions which will occupy the new space.		
 CENTER FOR ENVIRONMENTAL AND ESTUARINE RESEARCH:		
Phase II, Rehabilitation of bulkhead and boat shed, Chesapeake Biological Laboratory (Calvert County)		
		400,000
The FY 1979 Capital Appropriation to the Board of Public Works included \$192,400 to replace the bulkheading and stabilize the area for the boat docking and maintenance facility at the Chesapeake Biological Laboratory. The University experienced considerable delays in obtaining engineering plans and specifications for the project, and did not receive bids until March, 1981. The low bid was over \$460,000.		
The gravity of the situation prompted a decision to phase the project. The 1979 funds are being applied to correction of the most critical problems. However, the entire area needs to be stabilized as soon as possible, and this Phase II request is intended to accomplish that objective.		
 Central sewer hookups, Chesapeake Biological Laboratory (Calvert County)		
		95,000
Calvert County is planning a new central sewer system for the Solomons area, with an estimated completion date of August, 1983. Utilization of the system is mandatory, and property owners must assume hookup costs.		
The funding request is based on an estimate that the layout of the new system will require four separate connections from the University complex to the main line, and that some of the connections will require the pumping of waste to the main line from collecting points.		
Work should begin during FY 1983 to assure timely development of the project. Upon completion, the multiple local septic systems now in use will be discontinued.		
 Installation of gasoline pumping station, vehicle maintenance facilities, lockers, benches, and a control desk for the new Maintenance Building at Horn Point (Dorchester County)		
		87,000
Maintenance activities at Horn Point are currently housed in part of the old barn complex. The space and equipment are inadequate for the level and volume of activity, and the State consequently appropriated \$1,060,000 for the construction of a new maintenance facility in GCL 1980. When the Board of Public Works awarded the construction contract early in 1981, certain deduct alternates were taken so that construction could begin without delay and attendant cost escalation.		
This request involves the installation of selected items which were included in the original design but not in the construction contract. The items to be added would enhance the efficiency and effectiveness of the maintenance operations to be conducted in and around the new building.		

BOARD OF TRUSTEES OF THE STATE UNIVERSITIES AND COLLEGES

Project	Method of Financing	
	GCL	General Fund
BOWIE STATE COLLEGE (Prince Georges County):		
Replacement of the underground-steam distribution system and modifications to the boiler plant to conserve energy	500,000	
The 7,600 feet of 30-year old steam and return lines linking the central heating plant with the principal campus buildings have deteriorated to a point beyond repair. They will be replaced with 5,300 feet of new lines. A flue gas heat exchanger will be installed in the boiler plant to recover heat from the exhaust gas and use it to preheat boiler feed water. The value of the energy saved by this project should equal its cost in less than three years.		
FROSTBURG STATE COLLEGE (Allegany County):		
Alterations to Allegany/Faculty Hall and Garrett Hall, and construction of a connecting link between those buildings	3,800,000	
Allegany/Faculty Hall is essentially a single structure of 40,000 square feet, although built in stages in 1913 and 1927-30. The structure contains inefficient space arrangements and has deteriorated to the point that extraordinary maintenance must be performed to keep the building operational. The long-range development program for the college includes modification of this facility through a capital project consisting of three components: demolition of the faculty portion of the structure, renewal of the remaining structure to extend its life so that it can permanently accommodate three academic departments in the Social Services, and construction of sufficient additional space to provide badly-needed laboratories for the Psychology Department now housed in Garrett. The new construction would avoid the necessity of extensive additional work in both Garrett and Allegany Halls to make the buildings accessible to the handicapped in compliance with Federal regulations. There would be no overall increase in instructional space.		
TOWSON STATE UNIVERSITY (Baltimore County):		
Capital Equipment for Alterations to Smith Hall	(118,000)	
When construction of this project was bid, a favorable bidding climate led to a contract award which results in an unencumbered balance in the GCL 1981 supplementary construction appropriation of \$1,500,000. An amendment to the GCL 1981 appropriation is requested in GCL 1982 to utilize the surplus construction funds for essential capital equipment in lieu of authorizing additional debt for that purpose. Accordingly, the sum identified above is not included in the GCL 1982 totals.		
UNIVERSITY OF BALTIMORE (Baltimore City):		
Restoration of the site at the northeast corner of Mt. Royal and Maryland Avenues	275,000	
The site of this project was used as a staging area during construction of the Law School Addition. That building is scheduled for occupancy in July 1982. The site will be restored as a small plaza, as proposed in the 1975 Program and Campus Plan, to serve as a focal point for the campus and to provide appropriate pedestrian routes. The work will include the provisions of walkways, lighting and landscaping.		

ST. MARY'S COLLEGE OF MARYLAND

Project	Method of Financing	
	GCL	General Fund
Design and preparation of detailed plans and specifications for alterations to Anne Arundel Hall	110,000	
<p>Anne Arundel Hall has been in use since 1954. Several spaces in the building became vacant two years ago when the departments using them moved to the new Fine Arts Building. These spaces will be altered to provide expanded instructional facilities for psychology and the physical sciences. Certain areas will be repartitioned and re-equipped. In addition, extensive alterations are required to make the building accessible to the handicapped, including an elevator to provide access to the physical science laboratories on the second floor. This project has an estimated cost of \$2.7 million.</p>		

MORGAN STATE UNIVERSITY (Baltimore City)

Phase I-A, **Alterations and Addition to the Science complex** 4,000,000

Morgan's science programs are presently housed in four interconnected buildings: Carnegie Hall (built in 1919), Spencer Hall (1930), Key Hall (1953), and Calloway Hall (1953). The structural and mechanical systems in those buildings are in varying stages of deterioration, and the laboratories are clearly insufficient and inadequately equipped for advanced instruction in the sciences.

The approved program for this project envisions alterations to existing buildings and the provision of additional space for instructional needs. Existing structures contain 120,000 gross square feet and 70,000 net square feet. Upon completion of the project, there would be 160,000 gross square feet and 93,000 net square feet.

As a result of extensive interagency study of the alternatives for providing the additional space, the University and major review agencies concluded that the most effective solution would be to raze Spencer Hall and construct a larger building in its place. The Board of Public Works approved the demolition of Spencer Hall in September, 1981.

The project will be phased so that instructional programs can continue in operation while construction is progressing. Phase I consists of the demolition of Spencer Hall, the construction of its replacement, and alterations to one of the existing buildings. Phase II involves alterations to the remaining buildings. Although Phase I will not be bid before the start of FY 1984, partial funding of that phase is requested this year to lessen the impact of the project on the FY 1984 capital budget and to provide for the possible demolition of Spencer Hall during FY 1983.

Stabilization of Herring Run Slope 600,000

The steep slopes which lead from the developed portions of the North Campus to Herring and Chinquapin Runs are eroding badly and represent a safety hazard. Federal disaster funds which became available after Tropical Storm David in 1979 have been allocated for the necessary work on the slopes along Chinquapin Run. However, the funds are insufficient to cover the work along Herring Run, which includes provision of retaining structures, partial storm drain replacement, and guard fences.

The sidewalk next to the top of the slope is already in dangerous condition. Adjacent areas may also become hazardous if the erosion is not brought under control. Corrective action is critically needed.

DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT

Project	Method of Financing	
	GCL	General Fund
St. Mary's City Commission:		
Design, preparation of detailed plans and specifications, and stabilization for van Sweringen Archaeological Site Exhibit	12,000	
The design of this project will be completed in-house. Also the Commission will be its own general contractor in constructing the exhibits which will consist of four 17th-century foundations: an innkeepers dwelling, bake house, brick-floored kitchen, and milk house/wine cellar. The site is located on the visitor's route from the Visitor Center to the reconstructed State House of 1676. The van Sweringen site is part of PROJECT 84. Two hundred thousand visitors are expected to come to St. Mary's City in 1984, the 350th anniversary of the founding of Maryland.		
To provide interpretive furnishings for 17th Century Plantation Building; appropriation is contingent upon the St. Mary's City Commission providing any additional funds needed to complete the furnishing of this exhibit	30,000	
A typical 17th-century tobacco plantation is being constructed. This appropriation will be used to furnish the dwelling house with accurate tools, furniture, and other household items of the mid-1600's. Major construction on the plantation structures should be completed in the spring of 1982. The plantation dwelling house will not be complete unless furnished with tools, furniture, and other household items necessary to interpret the life of work of a farm. There are no known pieces of Maryland furniture that date before 1730. All of these furnishings must be reproduced to the specifications developed by the Commission's staff.		
MARYLAND COMMISSION ON AFRO-AMERICAN HISTORY AND CULTURE (Annapolis):		
To supplement the appropriation for "Restoration, renovation and preparation for use for the Commission of Mt. Moriah Church in Annapolis" as shown on page 2698 of the Acts of 1977: Section 1 (6) of Chapter 671 of the Acts of 1977 being hereby modified to the extent that said work may begin upon satisfactory assurances to the Board of Public Works that said project can be completed with the aggregate of the funds herein and heretofore appropriated for that purpose	550,000	
Additional funds are needed to complete this project. Restoration of Mt. Moriah Church will include both the interior and exterior of the building. Exterior restoration involves repointing the brick walls, restoring all of the wood door and window trim and rebuilding the stained glass windows damaged by deterioration and vandals. Interior work will involve adapting the main interior space for exhibit purposes and offices and restoration of as much of the interior details, trim and fixtures as is possible. Restoration of the Mt. Moriah Church will provide facilities for interpretive museum exhibits relative to the activities of the Maryland Commission on Afro-American History and Culture, as well as preserving this mid 19th century National Register landmark. The church has been leased to the Afro-American Commission for continued operation and maintenance.		

DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT - (Continued)

Project	Method of Financing	
	GCL	General Fund
MARYLAND HISTORICAL TRUST:		
Replenishment of Capital Grant Fund for Historical Preservation	300,000	
The Maryland Historical Trust Grant-in-Aid Fund was initiated in 1977 to alleviate the need for funding specific items requested by the Maryland Historical Trust. The grant-in-aid fund is for the Maryland Historical Trust to distribute to qualified applicants. These funds will be distributed as grants to non-profit preservation foundations, individuals, and organizations, to implement and encourage acquisition, preservation and restoration of historic properties. All grants will be made subject to the approval of the State Board of Public Works in exchange for a preservation easement in favor of the State in the name of the Maryland Historical Trust.		
Replenishment of Capital Revolving Fund for Historical Preservation	200,000	
This appropriation continues the development of the Maryland Historical Trust's Revolving Fund, initiated by the 1973 State Legislature. The Revolving Fund is used for granting loans to non-profit preservation foundations, organizations, and individuals to implement and encourage for acquisition and resale activities of loan recipients. All loans are made subject to the approval of the State Board of Public Works and in exchange for a preservation easement in favor of the State in the name of the Trust from every loan recipient. The preservation easement insures the preservation and maintenance of the subject property by the loan recipient.		
TOTAL - ALL DEPARTMENTS AND AGENCIES	\$105,605,000	\$1,142,000

**PART II
POTENTIAL IMPACT OF CAPITAL IMPROVEMENTS
ON
OPERATING BUDGETS**

Department and Project	Capital Request	FY 1984	FY 1985	FY 1986
BOARD OF PUBLIC WORKS:				
Implement second selected recommendation of Energy Audit for buildings in State Government Center in Annapolis	\$ 100,000	(25,000)	(28,000)	(30,000)
Construction of a fifth and final unit of the Tawes Office Building	7,400,000	—	220,000	242,000
Implement second selected recommendations of Energy Audit for Building for State Office Center in Baltimore	700,000	(296,000)	(326,000)	(358,000)
Construction of Baltimore City District Court #1,	*6,300,000	—	90,000	99,000
To supplement the appropriation "construction of a State-owned Multi-Service Center in Upper Marlboro, Prince Georges Co.	**5,800,000	—	104,000	114,000
MARYLAND VETERANS COMMISSION:				
Eastern Shore Veteran's Cemetery Irrigation System.	82,000	1,500	1,700	1,900
MARYLAND VETERANS HOME COMMISSION:				
Charlotte Hall Veteran's Home				
State's Share for Phase II Housing Unit (126 Beds)	1,382,000	800,000	880,000	970,000
DEPARTMENT OF NATURAL RESOURCES				
MARYLAND FOREST AND PARK SERVICES				
Fort Frederick State Park - Restore stone walls of the fort. . . .	\$ 535,000	200	200	200
Herrington Manor State Park - Construct park office, utilities, and parking	70,000	19,000	3,300	3,600
Renovate cabins for winter use	30,000	5,100	5,500	6,100
Patapsco Valley State Park - Hollofield Area:				
Construct Office/Administration Building, roads, and parking	460,000	7,900	8,200	9,100
Point Lookout State Park - Construct water system.	240,000	400	300	400
Swallow Falls State Park - Construct washhouse	125,000	(300)	(300)	(400)
MARYLAND GEOLOGICAL SURVEY				
Renovate State owned buildings at 16-20 E. 23rd Street for use as offices and laboratories.	2,350,000	—	60,000	66,000
DEPARTMENT OF AGRICULTURE:				
Plan The Department of Agriculture Animal Health Diagnostic Laboratory	250,000	—	112,000	123,000
DEPARTMENT OF HEALTH AND MENTAL HYGIENE				
MENTAL HYGIENE ADMINISTRATION				
CROWNSVILLE HOSPITAL CENTER				
Renovation of Convalescent Cottages	1,897,000	25,000	27,500	30,250
SPRING GROVE HOSPITAL CENTER				
Renovation of Preston Group - Phase II	2,940,000	20,000	22,000	24,200

*Not included in totals; to be provided through amendment to G.C.L.'s 1974, 1975, 1976 and 1980.

**Not included in totals; to be provided through amendment to G.C.L. 1980.

**POTENTIAL IMPACT OF CAPITAL IMPROVEMENTS
ON
OPERATING BUDGETS**

Department and Projects	Capital Request	FY 1984	FY 1985	FY 1986
MENTAL RETARDATION ADMINISTRATION				
HEADQUARTERS:				
Construction of Southern Maryland M. R. Center	1,471,000	685,000	753,500	828,300
ROSEWOOD CENTER				
Renovation of Jones and McClure Buildings	2,630,000	4,000	4,400	4,840
DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES				
DIVISION OF CORRECTION,				
HEADQUARTERS:				
Construction of 250 bed Maximum Security Institution #1 at the BG&E site: (Baltimore City)	\$16,000,000	—	1,364,000	1,500,000
Supplemental funds to construct a 250 bed Minimum Security Institution at the Latrobe site:				
(Baltimore City)	3,600,000	—	966,000	1,063,000
Additional funds to construct a 720 bed Medium Security Institution at the Maryland Correctional Institution - Hagers- town Complex (Washington County)	13,000,000	—	7,736,000	8,500,000
Perimeter Security Improvements at various correctional institutions	1,500,000	496,000	546,000	600,000
MARYLAND CORRECTIONAL INSTITUTION - HAGERSTOWN				
Supplemental funds to construct a Visitor's Registration Building	85,000	176,000	194,000	213,000
UNIVERSITY OF MARYLAND				
COLLEGE PARK CAMPUS				
Conversion of Berwyn Heights Elementary School to an Administration Building for the Maryland Fire and Rescue Institute	1,500,000	120,000	132,000	145,000
BALTIMORE CITY CAMPUS				
Conversion of former Law Library to clinic and office space ..	1,245,000	46,000	51,000	56,000
EASTERN SHORE CAMPUS				
Replacement and expansion of poultry research facilities	640,000	0 ¹	0 ¹	0 ¹
STATE UNIVERSITIES AND COLLEGES				
BOWIE STATE COLLEGE				
Steam distribution system improvements	500,000	(172,000)	(189,000)	(208,000)
FROSTBURG STATE COLLEGE				
Alterations and addition to Allegany/ Faculty/ Garrett Halls ..	3,800,000	0 ²	0 ²	0 ²
MORGAN STATE UNIVERSITY				
Alterations and addition to the Science complex	4,000,000 ³	0	200,000	406,000

1 Expanded space at UMES offset by loss of space at Salisbury

2 No overall increase in space anticipated because some demolition work is involved

3 Capital request is for Phase I-A only; operating budget estimate is for entire project.

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